Hearing Program Petition No. 1310 Tuesday, October 17, 2017 11:00 a.m.

Connecticut Siting Council, Hearing Room One 10 Franklin Square, New Britain, Connecticut

- I. Opening by Council
 - A. Statement read by Chair.
 - B. Comments by Public Official(s) (if any)
 - C. Motions
 - D. Administrative Notice taken by Council

FEDERAL

- 1. NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES, NATIONAL INSTITUTES OF HEALTH, EMF, Electric and Magnetic Fields Associated with the Use of Electric Power, June 2002, available at http://www.niehs.nih.gov/health/materials/electric and magnetic fields associated with the us e of electric power questions and answers english 508.pdf
- 2. NATIONAL RESEARCH COUNCIL, Research on Power-Frequency Fields Completed Under the Energy Policy Act of 1992, National Academy of Sciences, 1999, available at http://books.nap.edu/openbook.php?isbn=0309065437
- 3. UNITED STATES DEPARTMENT OF TRANSPORTATION, FEDERAL AVIATION ADMINISTRATION, Obstruction Marking and Lighting, Advisory Circular AC 70/7460-1L, December 4, 2015, available at https://www.faa.gov/documentLibrary/media/Advisory-Circular/AC 70 7460-1L .pdf
- 4. Presidential Proclamation No. 8460, Critical Infrastructure Month, 74 Fed. Reg. 234, December 8, 2009, *available at* http://www.presidency.ucsb.edu/ws/index.php?pid=86954
- 5. Presidential Executive Order No. 13636, Improving Critical Infrastructure Cybersecurity, 78 Fed. Reg. 11739, February 19, 2013, available at http://www.archives.gov/federal-register/executive-orders/2013.html
- 6. UNITED STATES DEPARTMENT OF THE INTERIOR, NATIONAL PARK SERVICE, National Register of Historic Places, July 2010, available at http://www.nps.gov/history/nr/research/index.htm
- 7. NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION, NERC Reliability Standards, *available at* http://www.nerc.com/pa/Stand/Pages/default.aspx
- 8. UNITED STATES DEPARTMENT OF ENERGY, FEDERAL ENERGY REGULATORY COMMISSION AND THE NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION, Report on Transmission Facility

- Outages During the Northeast Snowstorm of October 29-30, 2011 Causes and Recommendations, available at http://ferc.gov/legal/staff-reports/05-31-2012-ne-outage-report.pdf
- 9. UNITED STATES QUADRENNIAL ENERGY REVIEW TASK FORCE, Quadrennial Energy Review: Energy Transmission, Storage, and Distribution Infrastructure, April 2015, available at http://energy.gov/epsa/downloads/quadrennial-energy-review-full-report
- 10. UNITED STATES QUADRENNIAL ENERGY REVIEW TASK FORCE, Quadrennial Energy Review Second Installment: Transforming the Nation's Electricity System, January 2017, available at https://energy.gov/epsa/downloads/quadrennial-energy-review-second-installment
- 11. UNITED STATES ENERGY INFORMATION ADMINISTRATION, *Annual Energy Outlook 2017*, January 5, 2017, *available at* https://www.eia.gov/outlooks/aeo/
- 12. UNITED STATES FISH AND WILDLIFE SERVICE, Final 4(d) Rule for the Northern Long-eared Bat, January 14, 2016, *available at* https://www.fws.gov/Midwest/endangered/mammals/nleb/pdf/FRnlebFinal4dRule14Jan2016.pdf
- 13. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, Office of Solid Waste and Emergency Response, *Handbook on Siting Renewable Energy Projects While Addressing Environmental Issues, available at* http://www.epa.gov/renewableenergyland/docs/handbook siting repowering projects.pdf
- 14. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND NATIONAL RENEWABLE ENERGY LABORATORY, Best Practices for Siting Solar Photovoltaics on Municipal Solid Waste Landfills, February 2013, available at http://www.epa.gov/renewableenergyland/docs/best-practices-siting-solar-photovoltaic-final.pdf
- 15. UNITED STATES DEPARTMENT OF AGRICULTURE, Solar Energy Use in U.S. Agriculture Overview and Policy Issues, April 2011, available at https://www.nal.usda.gov/afsic/solar-energy
- 16. UNITED STATES DEPARTMENT OF AGRICULTURE, Soil Survey Manual, Handbook No. 18, March 2017, available at https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/soils/ref/?cid=nrcs142p2 054262
- 17. UNITED STATES FEDERAL AVIATION ADMINISTRATION, Evaluation of Glare as a Hazard for General Aviation Pilots on Final Approach, July 2015 available at https://www.faa.gov/data-research/research/med-humanfacs/oamtechreports/2010s/media/201512.pdf
- 18. UNITED STATES FEDERAL AVIATION ADMINISTRATION, Technical Guidance for Evaluating Selected Solar Technologies on Airports, November 2010, available at https://www.faa.gov/airports/environmental/policy_guidance/media/airport-solar-guide-print.pdf
- 19. UNITED STATES FEDERAL AVIATION ADMINISTRATION, Interim Policy, FAA Review of Solar Energy System Projects on Federally Obligated Airports (inclusive of Solar Glare Hazard Analysis Tool), October 23, 2013, available at https://www.federalregister.gov/documents/2013/10/23/2013-24729/interim-policy-faa-review-of-solar-energy-system-projects-on-federally-obligated-airports

20. ALLCO FIN. LTD. V. KLEE, 2014 U.S. DIST. LEXIS 170674 (D. CONN. 2014), AFFIRMED BY ALLCO FIN. LTD. V. KLEE, 805 F.3D 89 (2ND CIR. 2015)

REGIONAL

- 21. ISO-NEW ENGLAND, INC., Power Generation and Fuel Diversity in New England, August 25, 2005, available at http://www.iso-ne.com/pubs/whtpprs/iso-ne-paper.pdf
- 22. ISO-New England, Inc., *Electricity Costs White Paper*, June 1, 2006, *available at http://www.iso-ne.com/pubs/whtpprs/elec costs wht ppr.pdf*
- 23. ISO-NEW ENGLAND, 2014 Regional System Plan, November 6, 2014, available at http://www.iso-ne.com/system-planning/system-plans-studies/rsp
- 24. ISO-NEW ENGLAND, INC., 2015 Regional System Plan, November 5, 2015, http://www.iso-ne.com/system-planning/system-plans-studies/rsp
- 25. ISO-NEW ENGLAND, INC., 2017 Regional System Plan Project List, updated June 27, 2017, available at http://www.iso-ne.com/system-planning/system-plans-studies/rsp
- 26. ISO-NEW ENGLAND, INC., 2015-2024 Forecast Report of Capacity, Energy, Loads & Transmission (CELT), May 1, 2015, available at http://www.iso-ne.com/static-assets/documents/2015/05/2015 celt report.pdf
- 27. ISO-NEW ENGLAND, INC., 2016-2025 Forecast Report of Capacity, Energy, Loads & Transmission (CELT), May 1, 2016, available at http://www.iso-ne.com/system-planning/system-plans-studies/celt
- 28. ISO-NEW ENGLAND, INC., 2017-2026 Forecast Report of Capacity, Energy, Loads & Transmission (CELT), May 1, 2017, available at https://www.iso-ne.com/system-planning/system-plans-studies/celt
- 29. ISO-NEW ENGLAND, INC., 2016 Regional Electricity Outlook, January 2016, available at https://www.iso-ne.com/static-assets/documents/2016/03/2016 reo.pdf
- 30. ISO-NEW ENGLAND, INC., 2017 Regional Electricity Outlook, January 2017, available at https://www.iso-ne.com/static-assets/documents/2017/02/2017 reo.pdf
- 31. ISO-NEW ENGLAND, INC., ISO New England Installed Capacity Requirement, Local Sourcing Requirements and Capacity Requirement Values for the System-Wide Capacity Demand Curve for the 2019/20 Capacity Commitment Period, January 2016, available at https://www.iso-ne.com/static-assets/documents/2016/01/icr-values-2019-2020 report final.pdf
- 32. ISO-NEW ENGLAND, INC., Finalized Capacity Auction Results Confirm 10th FCA Procured Sufficient Resources, at a Lower Price, for 2019-2020, February 29, 2016, available at https://www.iso-ne.com/static-assets/documents/2016/02/20160229 fca10 finalresults.pdf
- 33. ISO-NEW ENGLAND, INC., The Challenge of Ensuring System Reliability Through Wholesale Markets as the Resource Mix Evolves, November 17, 2016, available at

- http://www.necbc.org/content/pages/Gordon-van-Welie_ISO-NE_NECBC_11_17_2016_final.pptx.pdf
- 34. ISO-NEW ENGLAND, INC., ISO New England's Internal Market Monitor 2015 Annual Markets Report, May 25, 2016, available at https://www.iso-ne.com/static-assets/documents/2016/05/2015_imm_amr_final_5_25_2016.pdf
- 35. ISO-NEW ENGLAND, INC., 2017 State of the Grid: 2017, Presentation by Gordon van Welie, January 30, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/01/20170130_stateofgrid2017_presentation_pr.pdf
- 36. ISO-NEW ENGLAND, INC., Final 2017 PV Forecast, May 1, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/05/2017 solar forecast details final.pdf
- 37. ISO-NEW ENGLAND, INC., *Interconnection Request Queue*, updated July 17, 2017, *available at* https://www.iso-ne.com/system-planning/transmission-planning/interconnection-request-queue
- 38. NEW ENGLAND TRI-STATE CLEAN ENERGY RFP: CONNECTICUT, MASSACHUSETTS AND RHODE ISLAND, November 12, 2015, available at https://cleanenergyrfp.com/
- 39. ISO-NEW ENGLAND, INC., Press Release Auction Acquires Power System Resources Needed for 2020-2021 at a Lower Price, February 9, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/02/20170209 FCA11 initial pr.pdf
- 40. ISO-NEW ENGLAND, INC., FCA Results Filing in FERC Docket No. ER17-1073-000, February 28, 2017, available at https://www.iso-ne.com/static-assets/documents/2017/02/fca 11 results.pdf
- 41. NEW ENGLAND STATES COMMITTEE ON ELECTRICITY, Mechanisms to Support Public Policy Resources in the New England States, December 18, 2015, available at http://nescoe.com/wp-content/uploads/2015/12/PublicPolicyMechanisms December 2015.pdf
- 42. MASSACHUSETTS RENEWABLE ENERGY PORTFOLIO STANDARD, available at http://www.mass.gov/eea/energy-utilities-clean-tech/renewable-energy/rps-aps/rps-and-aps-statutes-and-regulations.html
- 43. RHODE ISLAND RENEWABLE ENERGY STANDARD, available at http://www.ripuc.org/utilityinfo/res.html
- 44. NEW ENGLAND GOVERNORS' COMMITMENT TO REGIONAL COOPERATION ON ENERGY INFRASTRUCTURE ISSUES, December 5, 2013, available at http://nescoe.com/uploads/New England Governors Statement-Energy 12-5-13 final.pdf
- 45. NEW ENGLAND GOVERNORS' STATEMENT ON REGIONAL COOPERATION FOR ENERGY INFRASTRUCTURE, April 23, 2015, available at http://www.portal.ct.gov/en/Office-of-the-Governors39-Statement-on-Regional-Cooperation-for-Energy-Infastructure
- 46. NEW ENGLAND STATES COMMITTEE ON ELECTRICITY, Governors' Actions for a Cleaner, More Reliable and More Affordable Energy Future, April 23, 2015, available at http://nescoe.com/resource-center/govs-actions-apr2015/

47. STATE OF VERMONT, PUBLIC SERVICE BOARD, Docket No. 8685, Petition of Coolidge Solar I, LLC for a certificate of public good, pursuant to 30 V.S.A. §248, authorizing installation and operation of a 20 MW solar electric generation facility to be located in Ludlow and Cavendish, Vermont, known as the "Coolidge Solar Project,", March 23, 2017, available at http://epsb.vermont.gov/?q=node/104/16365

STATE

Connecticut Siting Council

- 48. CONNECTICUT SITING COUNCIL, Electric and Magnetic Field Best Management Practices for the Construction of Electric Transmission Lines in Connecticut, December 14, 2007, revised February 20, 2014, available at http://www.ct.gov/csc/emf-bmp
- 49. CONNECTICUT SITING COUNCIL, 2014/2015 Forecast of Electric Loads and Resources, December 10, 2015, available at http://www.ct.gov/csc/lib/csc/pendingproceeds/forecast_2014_2015/f-2015_finalreport.pdf
- 50. CONNECTICUT SITING COUNCIL, White Paper on the Security of Siting Energy Facilities, October 8, 2009, available at http://www.ct.gov/csc/lib/csc/docket-346/whiteppr-final.pdf
- 51. CONNECTICUT SITING COUNCIL, *Investigation into the Life Cycle Costs of Electric Transmission Lines*, November 15, 2012, available at http://www.ct.gov/csc/lib/csc/lifecycle2011/life_cycle_final_report.pdf
- 52. CONNECTICUT SITING COUNCIL, Written Testimony in Reference to Raised Bill No. 943, An Act Concerning the Installation of Certain Solar Facilities on Productive Farmlands, March 6, 2017, available at https://www.cga.ct.gov/2017/ENVdata/Tmy/2017SB-00943-R000306-Stein,%20Robin%20,%20Chairman-Connecticut%20Siting%20Council-TMY.PDF
- 53. CONNECTICUT SITING COUNCIL, Written Testimony in Reference to Raised Bill No. 412, An Act Restricting the Use of Incentives for the Development of Solar Arrays on Agricultural Land, February 7, 2017, available at https://www.cga.ct.gov/2017/ETdata/Tmy/2017SB-00412-R000207-Stein,%20Robin,%20Chairman-Connecticut%20Sitting%20Council-TMY.PDF
- 54. **PETITION NO. 1042** Somers Solar Center, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction and operation of a 5.0 MW AC Solar Photovoltaic Project located at 458 & 488 South Road, Somers, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=513338
- 55. **PETITION NO. 1056** GRE 314 East Lyme, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction and operation of a 5.0 MW Solar Photovoltaic Renewable Energy Generating Project located on Grassy Hill Road and Walnut Hill Road, East Lyme, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=517566
- 56. **PETITION NO. 1178** DESRI CT Fusion Acquisition, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, operation and maintenance of a ground-mounted 20 megawatt solar photovoltaic

- electric generating facility located on Potash Hill Road, Sprague, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&Q=568946&PM=1
- 57. **PETITION NO. 1220** -Windham Solar LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of three 2.0 Megawatt and one 1.0 Megawatt Solar Photovoltaic Electric Generating facilities located at 1219 and 1240 Voluntown Road, Griswold, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=578334
- 58. **PETITION NO. 1221 -** Windham Solar LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of two 1.0 Megawatt and one 1.5 Megawatt Solar Photovoltaic Electric Generating facilities located at 91 Plainfield Pike Road, Plainfield, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=578336.
- 59. **PETITION NO. 1222** Windham Solar LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of three 2.0 Megawatt and four 1.0 Megawatt Solar Photovoltaic Electric Generating facilities located southeast of Hartford Turnpike and south of Fisk Road, Hampton, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=578394.
- 60. **PETITION NO. 1224** Woods Hill Solar, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a 17.61 Megawatt AC Solar Photovoltaic Electric Generating facility located at 90 and 101 Woods Hill Road, Pomfret, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=578712
- 61. **PETITION NO. 1247** C-TEC Solar, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance, and operation of a 3.75 MW solar photovoltaic electric generating facility located at 65 Thompson Road, Thompson, Connecticut. Record and Final Decision, *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&Q=582976&PM=1
- 62. **PETITION NO. 1294** LSE Canes Venatici LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, operation, and maintenance of a 2.0 megawatt AC Solar Photovoltaic Electric Generating facility located at East Windsor Tax Assessor Map 037, Block 65, Lot 027A, Wapping Road, East Windsor, Connecticut. (NORCAP North). *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=591568
- 63. **PETITION NO. 1295** LSE Coma Berenices LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, operation, and maintenance of a 2.0 megawatt AC Solar Photovoltaic Electric Generating facility located at East Windsor Tax Assessor Map 027, Block 65, Lot 031, 90 Wapping Road, East Windsor, Connecticut. (NORCAP South). *available at* http://www.ct.gov/csc/cwp/view.asp?a=2397&q=591574

Department of Energy and Environmental Protection

- 64. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, Connecticut Guidelines for Soil Erosion and Sediment Control, DEP Bulletin 34, May 2002, last revised September 2007, available at http://www.ct.gov/dep/cwp/view.asp?a=2720&q=325660&depNay_GID=1654
- 65. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, *The Connecticut Stormwater Quality Manual*, 2004, *and appendices*, *available at* http://www.ct.gov/DEP/cwp/view.asp?a=2721&q=325704&depNav_GID=1654#download
- 66. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Amphibians and Reptiles in Connecticut, DEP Bulletin 32, Michael W. Klemens, 2000, available at http://www.ctdeepstore.com/Amphibians-and-Reptiles-in-Connecticut-101.htm?categoryId=-1
- 67. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Connecticut Water Quality Standards, Effective October 10, 2013, Regulations of Connecticut State Agencies §§ 22a-426-1, et seq. http://www.ct.gov/dep/lib/dep/water/water_quality_standards/wqs.pdf
- 68. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Connecticut Air Quality Standards, Effective April 15, 2014, Regulations of Connecticut State Agencies §§ 22a-174-24, et seq., available at http://www.ct.gov/deep/lib/deep/air/regulations/mainregs/sec24.pdf
- 69. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Connecticut Noise Control Regulations, Effective June 15, 1978, Regulations of Connecticut State Agencies §§22a-69-1, et seq., available at http://www.ct.gov/deep/lib/deep/regulations/22a/22a-69-1through7.pdf
- 70. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF ENERGY AND TECHNOLOGY POLICY, 2013 Comprehensive Energy Strategy for Connecticut, February 19, 2013, available at http://www.ct.gov/deep/lib/deep/energy/cep/2013 ces final.pdf
- 71. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF ENERGY AND TECHNOLOGY POLICY, 2012 Integrated Resource Plan for Connecticut, June 14, 2012, available at http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/cb827b1ffa58b2fd85257a1d0060c374/\$FILE/2012%20Integrated%20Resource%20Plan.pdf
- 72. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, 2014 Integrated Resource Plan for Connecticut, March 17, 2015, AVAILABLE AT http://www.dpuc.state.ct.us/deepenergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/8e95d81c37c7237085257e0b004770b2?opendocument
- 73. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF NATURAL RESOURCES, Connecticut's Endangered, Threatened and Special Concern Species 2015, August 2015, available at http://www.ct.gov/deep/lib/deep/wildlife/pdf files/nongame/ETS15.pdf

- 74. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF NATURAL RESOURCES, *Connecticut's Wildlife Action Plan*, 2015 Revision, available at http://www.ct.gov/deep/cwp/view.asp?a=2723&q=329520&deepNav GID=1719#Review
- 75. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, BUREAU OF ENERGY AND TECHNOLOGY POLICY, 2-20 MW Renewable, Demand Response and Energy Storage Procurement, August 31, 2015, available at http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/67b2877d014a6f2a85257eb200467127/\$FILE/Notice%20of%20proceedings%20and%20opportunity%20to%20comment%2008.31.15.pdf
- 76. STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Governor's Council on Climate Change, GC3 Analysis, Data, and Metrics Meeting Presentation, July 26, 2016, available at http://www.ct.gov/deep/lib/deep/climatechange/gc3 adm group/adm meeting 7 26 2016.pdf

Department of Public Health

77. STATE OF CONNECTICUT, DEPARTMENT OF PUBLIC HEALTH, Electric and Magnetic Fields (EMF): Health Concerns Fact Sheet, April 2008, available at http://www.ct.gov/dph/lib/dph/environmental health/eoha/pdf/emf fact sheet - 2008.pdf

Department of Transportation

- 78. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, ConnDOT Drainage Manual, 2000, last revised December 2003, available at http://www.ct.gov/dot/cwp/view.asp?a=3200&q=260116
- 79. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, *Utility Accommodation Manual*, February 2009, *available at* http://www.ct.gov/dot/lib/dot/documents/dutilities/ACCOMODATION.pdf
- 80. STATE OF CONNECTICUT, DEPARTMENT OF TRANSPORTATION, BUREAU OF ENGINEERING AND HIGHWAY OPERATIONS, *Public Service Facility Policy and Procedures for Highways in Connecticut*, November 2008, available at http://www.ct.gov/dot/lib/dot/documents/dutilities/UtilityPolicyProcedures.pdf

Other State Agencies

- 81. STATE OF CONNECTICUT, OFFICE OF POLICY AND MANAGEMENT, Conservation and Development Policies Plan for Connecticut 2013-2018, June 5, 2013, available at http://www.ct.gov/opm/lib/opm/igp/org/cdupdate/2013-2018 cd plan.pdf
- 82. Final Report of the Two Storm Panel, January 9, 2012, *available at* http://www.governor.ct.gov/malloy/lib/malloy/two_storm_panel_final_report.pdf
- 83. STATE OF CONNECTICUT, CONNECTICUT GREEN BANK, Comprehensive Plan, Fiscal Year 2017 through Fiscal Year 2018, available at http://www.ctgreenbank.com/wp-content/uploads/2016/07/CTGreenBank-Comprehensive-Plan-Fiscal-Years-2017-2018.pdf

- 84. STATE OF CONNECTICUT, DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, State of Connecticut State Response Framework, Version 2.0, August 2011, available at http://www.ct.gov/demhs/lib/demhs/ct_srf aug 2011.pdf
- 85. STATE OF CONNECTICUT, DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION, DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY, State of Connecticut State Response Framework, Draft Connecticut Emergency Support Function 12, All Hazards Energy and Utilities Annex, July 2012, available at http://www.ct.gov/demhs/lib/demhs/eppi/esf 12 all-hazards energy and utilities annex final draft july 2012.pdf
- 86. STATE OF CONNECTICUT, GOVERNOR'S STEERING COMMITTEE ON CLIMATE CHANGE, ADAPTATION SUBCOMMITTEE, Connecticut Climate Change Preparedness Plan, Adaptation Strategies for Agriculture, Infrastructure, Natural Resources and Public Health Climate Change Vulnerabilities, 2011, available at http://www.ct.gov/deep/lib/deep/climatechange/connecticut_climate_preparedness_plan_2011.pdf
- 87. PUBLIC UTILITIES REGULATORY AUTHORITY, Cybersecurity and Connecticut's Public Utilities, April 14, 2014, available at http://www.ct.gov/pura/lib/pura/electric/cyber_report_041414.pdf
- 88. Public Utilities Regulatory Authority, Connecticut Public Utilities Cybersecurity Action Plan, April 6, 2016, available at http://www.ct.gov/pura/lib/pura/electric/cyber_report_April 6_2016.pdf
- 89. STATE OF CONNECTICUT, STATE VEGETATION MANAGEMENT TASK FORCE, Final Report Issued to the Connecticut Department of Energy and Environmental Protection, August 28, 2012, available at http://www.ct.gov/deep/lib/deep/forestry/vmtf/final_report/symtf_final_report.pdf
- 90. STATE OF CONNECTICUT, COUNCIL ON ENVIRONMENTAL QUALITY, Energy Sprawl in Connecticut: Why Farmland and Forests are Being Developed for Electricity Production; Recommendations for Better Siting, February 3, 2017, available at http://www.ct.gov/ceq/lib/ceq/Energy Sprawl in Connecticut.pdf
- 91. STATE OF CONNECTICUT, COUNCIL ON ENVIRONMENTAL QUALITY, Environmental Quality in Connecticut, June 21, 2017, available at http://www.ct.gov/ceq/lib/ceq/Environmental Quality in Connecticut for 2016 %28Updated_June 2017%29.pdf
- 92. UNIVERSITY OF CONNECTICUT, Economic Impacts of Connecticut's Agricultural Industry, September 2010, available at https://webshare.business.uconn.edu/ccea/studies/Ag-Economic-Impacts 2010sept-final.pdf
- 93. GOVERNOR'S COUNCIL FOR AGRICULTURAL DEVELOPMENT, Grow Connecticut Farms: Developing, Diversifying, and Promoting Agriculture, December 2012, available at http://www.ct.gov/doag/lib/doag/boards commissions councils/gcf/grow ct farms 3 6 2013 low.pdf
- 94. CONNECTICUT PUBLIC UTILITIES REGULATORY AUTHORITY, DOCKET NO. 17-01-10, PURA REVIEW OF PUBLIC ACT 15-107(C) LARGE SCALE ENERGY PROCUREMENTS, FINAL DECISION, SEPTEMBER 13, 2017, available at http://www.dpuc.state.ct.us/dockcurr.nsf/All/91B2E5D5BD7ED7F68525819A00531121?OpenDocument

- 95. Red Hill Coalition, Inc. v. Town Plan & Zoning Comm., 212 Conn. 727 (1989).
- 96. Paige v. Town Plan & Zoning Comm., 235 Conn. 448 (1995).
- 97. FairwindCT, Inc. v. Connecticut Siting Council, 313 Conn. 669 (2014).
- 98. Corcoran v. Connecticut Siting Council, 284 Conn. 455 (2007).

TECHNICAL

- 99. NATIONAL FIRE PROTECTION ASSOCIATION, NFPA National Electric Code 2017 Edition, August 23, 2016 available at http://www.nfpa.org/nec
- 100.NATIONAL FIRE PROTECTION ASSOCIATION, Article 691 (Large-Scale Photovoltaic (PV) Electric Supply Stations) in the 2017 NEC: National Electrical Code available at http://www.nfpa.org/nec
- 101.IEEE STANDARDS ASSOCIATION, 1264-2015 IEEE Guide for Animal Deterrents for Electric Power Supply Substations, available at https://standards.ieee.org/findstds/standard/1264-2015.html
- 102.INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, *National Electrical Safety Code*, American National Standards Institute, Standard C2-2017, October 18, 2016.
- 103.EXPONENT, INC., EMF and Health: Review and Update of the Scientific Research, January 28, 2009, available at http://transmission.bchydro.com/NR/rdonlyres/DEF09171-908A-48DF-A9DA-F28676D239FD/0/Exponent2009EMFUpdate0209.pdf
- 104.EXPONENT, INC., Current Status of Research on Extremely Low Frequency Electric and Magnetic Fields and Health: Interstate Reliability Project, January 10, 2011, available at http://www.ct.gov/csc/lib/csc/pendingproceeds/docket-424/424 application/v1interstate csc application v1.pdf (Appendix D EMF Health Report)
- 105.ACADIA CENTER, Distributed Solar in the Draft CT Comprehensive Energy Strategy, Proposals Risk Stalling Deployment at Crucial Moment, August 3, 2017, available at http://acadiacenter.org/wp-content/uploads/2017/08/Acadia-Center-Distributed-Solar-in-Draft-CT-CES.pdf
- 106.UNION OF CONCERNED SCIENTISTS, *Up with the Sun: Solar Energy and Agriculture*, 2003, available at http://www.ucsusa.org/clean-energy/increase-renewable-energy/solar-energy-agriculture#.WaRg3U0zWpo

ENVIRONMENTAL

- 107.RICHARD M. DEGRAAF & DEBORAH D. RUDIS, New England Wildlife: Habitat, Natural History, and Distribution, University of Massachusetts Press, 1983, available at http://www.treesearch.fs.fed.us/pubs/4148
- 108.ARAM J.K. CALHOUN & MICHAEL W. KLEMENS, Best Development Practices: Conserving Pool-Breeding Amphibians in Residential and Commercial Developments in the Northeastern United States, MCA Technical Paper No. 5, Metropolitan Conservation Alliance 2002, available at http://www.umaine.edu/vernalpools/PDFs/Best%20Development%20Practices%20%20-%20%20Conserving%20Pool-breeding%20Amph.pdf

- 109.ARAM J.K. CALHOUN, ET. AL., Conserving pool-breeding amphibians in human-dominated landscapes through local implementation of Best Development Practices, Wetlands Ecology and Management, July 9, 2004 at 291, available at http://www.environmental-expert.com/Files/0/articles/9373/Conservingpool-breeding.pdf
- 110.LAUREN M. COOK & RICHARD H. MCCUEN, Hydrologic Response of Solar Farms, Journal of Hydrologic Engineering, May 2013, available at http://ascelibrary.org/doi/abs/10.1061/(ASCE)HE.1943-5584.0000530
- 111. CHRISTOPHER BARTON AND KAREN KINKEAD, *Do Erosion Control and Snakes Mesh?*, Journal of Science and Water Conservation 2005, Volume 60, Number 2, *available at* http://www.treesearch.fs.fed.us/pubs/21050
- 112. CONNECTICUT ASSOCIATION OF WETLAND SCIENTISTS, Vernal Pool Monitoring Fact Sheet, available at http://www.ctwetlands.org/forms/CAWS VernalPoolMonitoring FactSheet.pdf
- 113.CONNECTICUT ASSOCIATION OF WETLAND SCIENTISTS, Vernal Pool Monitoring Program Protocol, available at http://www.ctwetlands.org/forms/CAWS Vernal Pool Monitoring Protocols.pdf

MAPS

- 114.STATE OF CONNECTICUT, DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Natural Diversity Database Map for the Towns of Brooklyn, Canterbury and Plainfield, available at http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp
- 115.STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION,

 Aquifer Protection Area Map for the Towns of Brooklyn, Canterbury and Plainfield, last updated September 6, 2017, available at http://www.ct.gov/deep/cwp/view.asp?a=2685&q=322248
- 116.UNIVERSITY OF CONNECTICUT, CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE, Connecticut Critical Habitats and Open Space, last updated November 28, 2012, available at http://cteco.maps.arcgis.com/home/item.html?id=a1bf59798c5b45a98aeaeb97dafd60b9
- 117. CONNECTICUT FOREST & PARK ASSOCIATION, CONNECTICUT WALK BOOK 20TH ED. 2017, available at http://www.ctwoodlands.org/connecticut-walk-book-20th-edition
- 118.NATIONAL AUDUBON SOCIETY, Connecticut Important Bird Areas, available at http://ct.audubon.org/important-bird-areas-11
- 119.STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION, Connecticut Official State Tourism Map.
- 120.MAIL-A-MAP STREET MAP, Brooklyn, Canterbury and Plainfield, *available at* http://mailamap.com/street_maps
- 121.UNITED STATES GEOLOGICAL SURVEY, Connecticut Topographic Map Collection, available at http://magic.lib.uconn.edu/topographic maps.html

122.STATE OF CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION, Northern Long-eared Bat Areas of Concern in Connecticut to Assist with Federal Endangered Species Act Compliance, February 1, 2016, available at http://www.ct.gov/deep/lib/deep/endangered species/images/nleb approved2 16.pdf

E. State Agency comments

- 1. Department of Agriculture, dated July 17, 2017
- 2. Department of Transportation, dated September 5, 2017
- 3. Department of Energy and Environmental Protection, dated September 14, 2017

F. Municipal comments

- 1. Town of Canterbury First Selectman Letter of Support, dated June 19, 2017
- 2. Town of Brooklyn Planning & Zoning Commission Comments, dated September 19, 2017
- Town of Brooklyn Inland Wetlands and Water Courses Commission Comments, dated October 16, 2017

II.	Appearance	by	Petitioner
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Petitioner: Quinebaug Solar, LLC

Representative: David W. Bogan, Esq. Locke Lord LLP

A. Administrative Notice.

STATE

- An Act Concerning Connecticut Global Warming Solutions, Public Act 08-98, https://www.cga.ct.gov/2008/ACT/PA/2008PA-00098-R00HB-05600-PA.htm
- 2. An Act Concerning Affordable and Reliable Energy, Public Act 15-107, https://www.cga.ct.gov/2015/ACT/PA/2015PA-00107-R00SB-01078-PA.htm
- 3. An Act Concerning the Installation of Certain Solar Facilities on Productive Farmlands, Incentives for the Use of Anaerobic Digesters By Agricultural Customer Hosts, Applications Concerning the Use of Kelp in Certain Biofuels and the Permitting of Waste Conversion Facilities, Public Act 17-218, https://www.cga.ct.gov/2017/ACT/pa/2017PA-00218-R00SB- 00943-PA.htm

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (DEEP)

- 4. Clean Energy RFP, https://cleanenergyrfpdotcom.files.wordpress.com/2015/11/cleanenergy-rfp-final-111215.pdf
- 5. BETP Final Determination on Three State Procurement, June 27, 2017, http://www.dpuc.state.ct.us/DEEPEnergy.nsf/c6c6d525f7cdd1168525797d0047c5bf/4bbb154eacf

ed98f8525814c005fbfbf/\$FILE/2017.06.27 FINAL%20Three%20State%20Decision.p df.

6. 2017 Draft Comprehensive Energy Strategy, July 26, 2017, http://www.ct.gov/deep/lib/deep/energy/ces/2017 draft comprehensiveenergystrategy.pdf

PUBLIC UTILITIES REGULATORY AUTHORITY (PURA)

7. PURA Docket 17-01-10, PURA Review of Public Act 15-107(c) Large-Scale Energy Resource Agreements, Final Decision, September 13, 2017, http://www.dpuc.state.ct.us/dockcurr.nsf/8e6fc37a54110e3e852576190052b64d/91b2e5d5bd7ed7 f68525819a00531121/\$FILE/170110-091317.docx

MUNICIPAL

- 8. Town of Brooklyn, Brooklyn's Plan of Conservation and Development: 2011-2021, April 2011, http://www.brooklynct.org/land-use-department/files/plan-of-conservation-and-development.
- 9. Town of Canterbury, Plan of Conservation and Development, August 1, 2010, http://www.canterburyct.org/documents/2010 Canterbury POCD.pdf.
- B. Exhibits for Identification.
 - 1. Petition for a Declaratory Ruling filed by Quinebaug Solar, LLC, received June 15, 2017, and attachments
 - 2. Quinebaug Solar, LLC's Response to the Department of Agriculture Comments, dated August 1, 2017
 - 3. Quinebaug Solar, LLC's Responses to Council Interrogatories, Set One, dated August 22, 2017
 - 4. Quinebaug Solar, LLC's Signs and Field Review Driving Routes, dated August 28, 2017
 - 5. Quinebaug Solar, LLC's Responses to Council Interrogatories, Set Two, dated October 10, 2017

C. Swear Witnesses

- 1. Aaron Svedlow, NextEra Energy Resources, LLC
- 2. Dale Knapp, NextEra Energy Resources, LLC
- 3. David Cook, NextEra Energy Resources, LLC
- 4. Briony Angus, Tighe & Bond
- 5. Kevin Ryan, FB Environmental
- 6. Paul Callahan, NextEra Energy Resources, LLC
- 7. Thomas Ericco, TRC
- D. Full Exhibits Verification of exhibits by witnesses and admission by the Council.
- E. Cross Examination.
 - 1. Council
 - 2. Troy and Meghan Sposato

III. Appearance by Party:

Troy and Meghan Sposato

- A. Administrative Notice.
 - 1.
- B. Exhibits for Identification.
 - 1. Troy and Meghan Sposato Request for Party Status, dated September 7, 2017
- C. Swear Witnesses
 - 1. Meghan Sposato
 - 2. Troy Sposato
- D. Full Exhibits Verification of exhibits by witnesses and admission by the Council.
- E. Cross Examination.
 - 1. Council
 - 2. Petitioner
- IV. Closing by Connecticut Siting Council.